

The diagram illustrates a system for controlling a robot apparatus remotely. It is divided into three main sections: a Robot remote control apparatus, a Public transmission network, and a Robot apparatus.

**Robot remote control apparatus (Left):**

- Robot remote control portion (3):** The central control unit.
- Remote instruction unit (4):** Provides input to the robot remote control portion.
- Display unit portion (5):** Receives data from the robot remote control portion.
- Output unit portion (6):** Receives data from the robot remote control portion.
- Antenna (3a):** Connected to the robot remote control portion for wireless communication.

**Public transmission network (Middle):**

- Public transmission network (20):** A central hub for data transmission.
- Antenna (19):** Receives signals from the robot remote control apparatus.
- Antenna (21):** Transmits signals to the robot apparatus.

**Robot apparatus (Right):**

- Image/sound remote control portion (11):** The central control unit for the robot.
- Group of monitors (12):** Receives video data from the robot.
- Microphone (13):** Receives audio data from the robot.
- Group of speakers (14):** Outputs audio data received from the robot.
- Antenna (11a):** Connected to the image/sound remote control portion for wireless communication.

**Internal components of the Robot apparatus (Right side of the diagram):**

- on-board instruction unit (8):** Receives instructions from the robot remote control portion.
- Robot control portion (7):** Receives data from the on-board instruction unit and controls the robot's functions.
- Display unit portion (9a):** Receives data from the robot control portion.
- Output unit portion (9b):** Receives data from the robot control portion.
- Mechanism portion (10):** Receives control signals from the robot control portion to execute physical actions.
- Image/sound processing portion (15):** Processes incoming video and audio data.
- Group of cameras (16):** Captures video data from the robot's environment.
- Group of microphones (17):** Captures audio data from the robot's environment.
- Speaker (18):** Outputs audio data from the robot's environment.
- Antenna (15a):** Connected to the image/sound processing portion for wireless communication.

FIG. 2

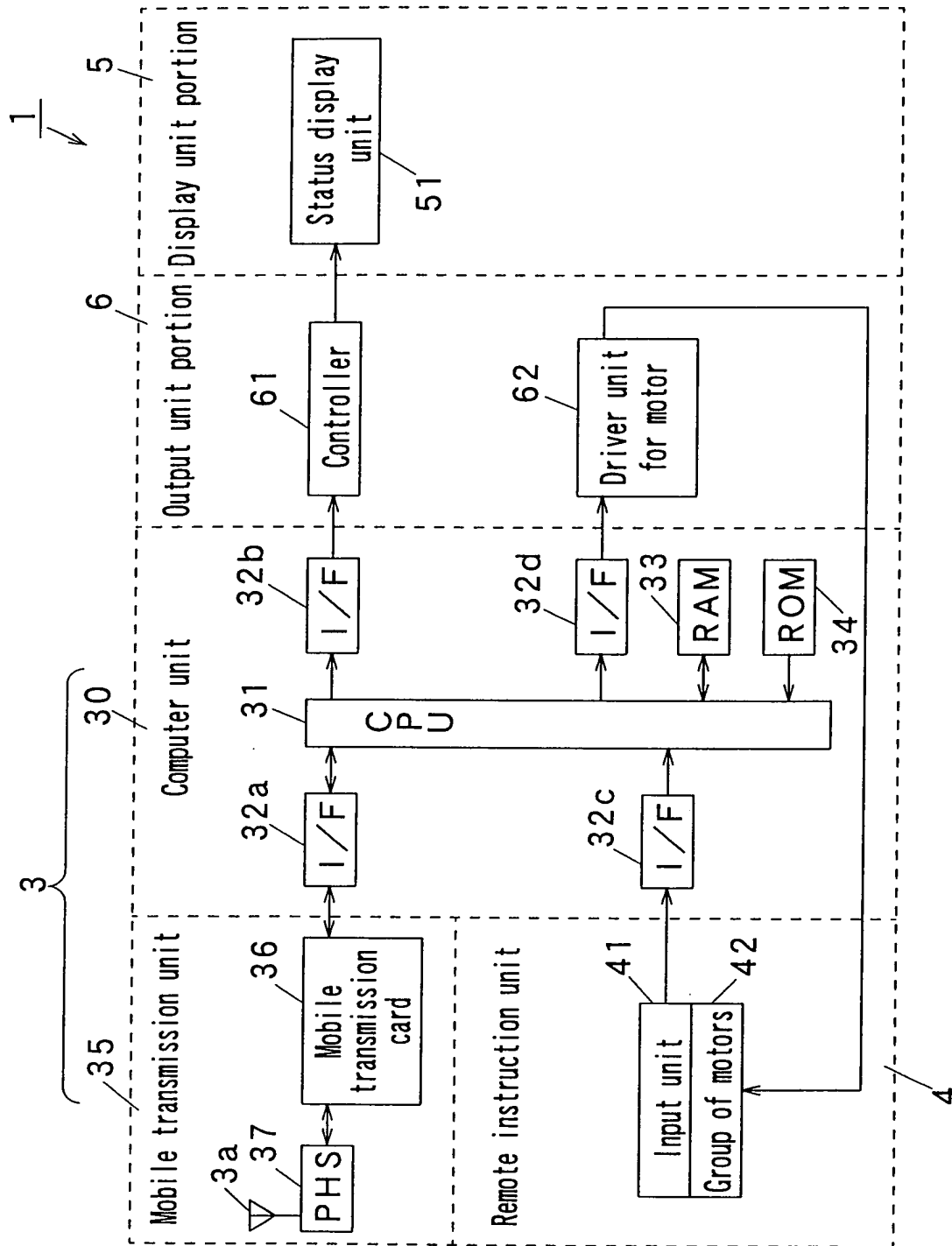


FIG. 3

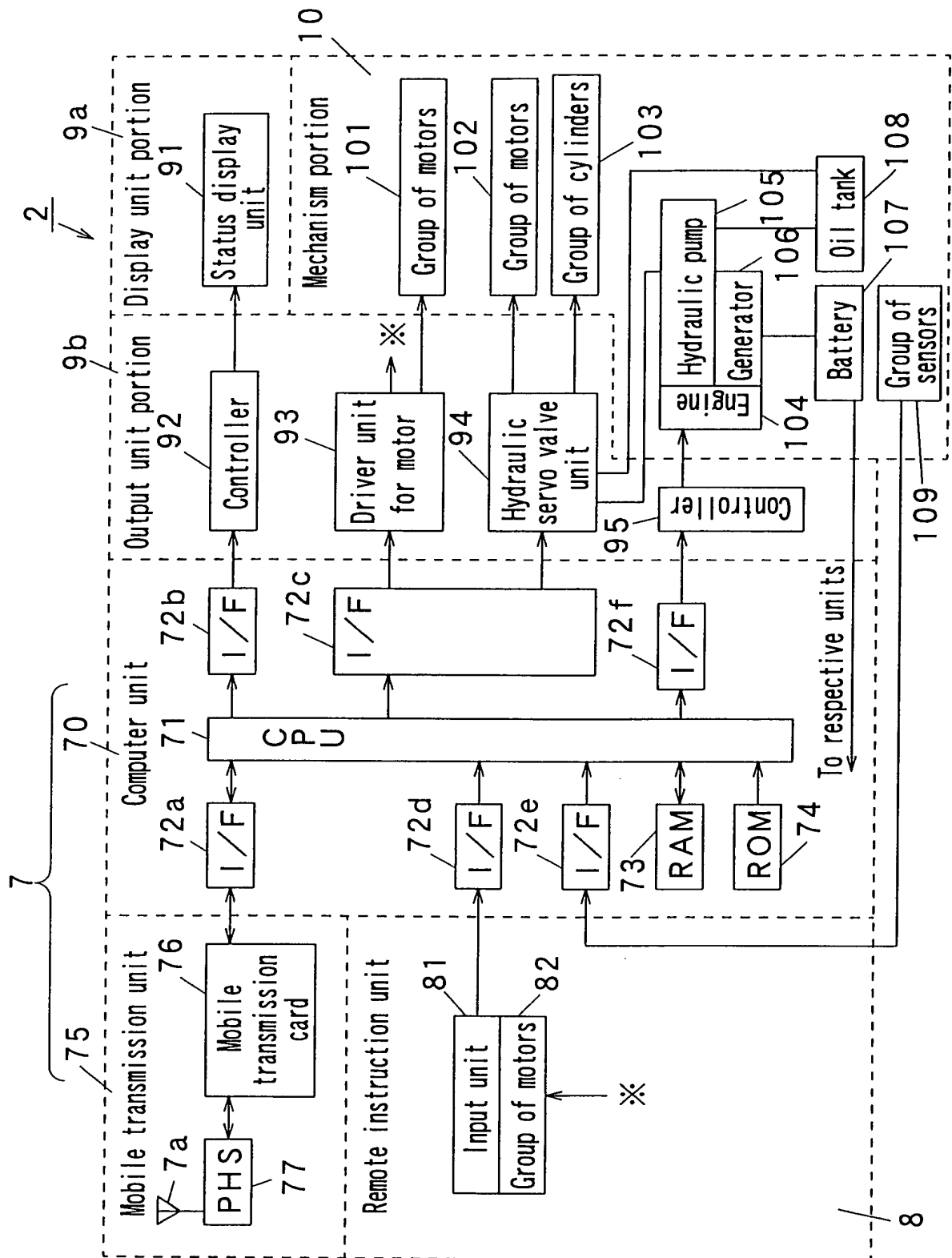


FIG. 4

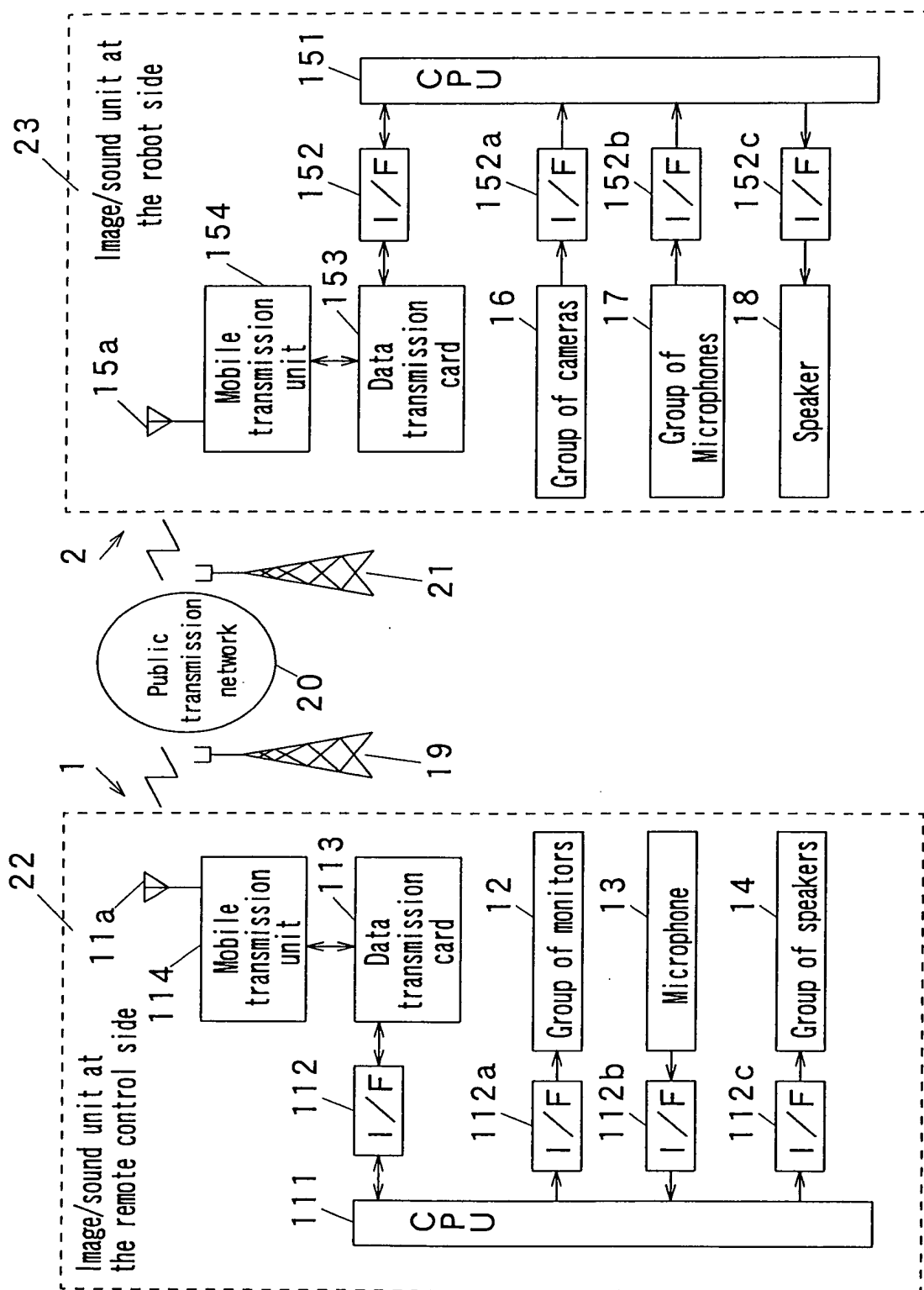
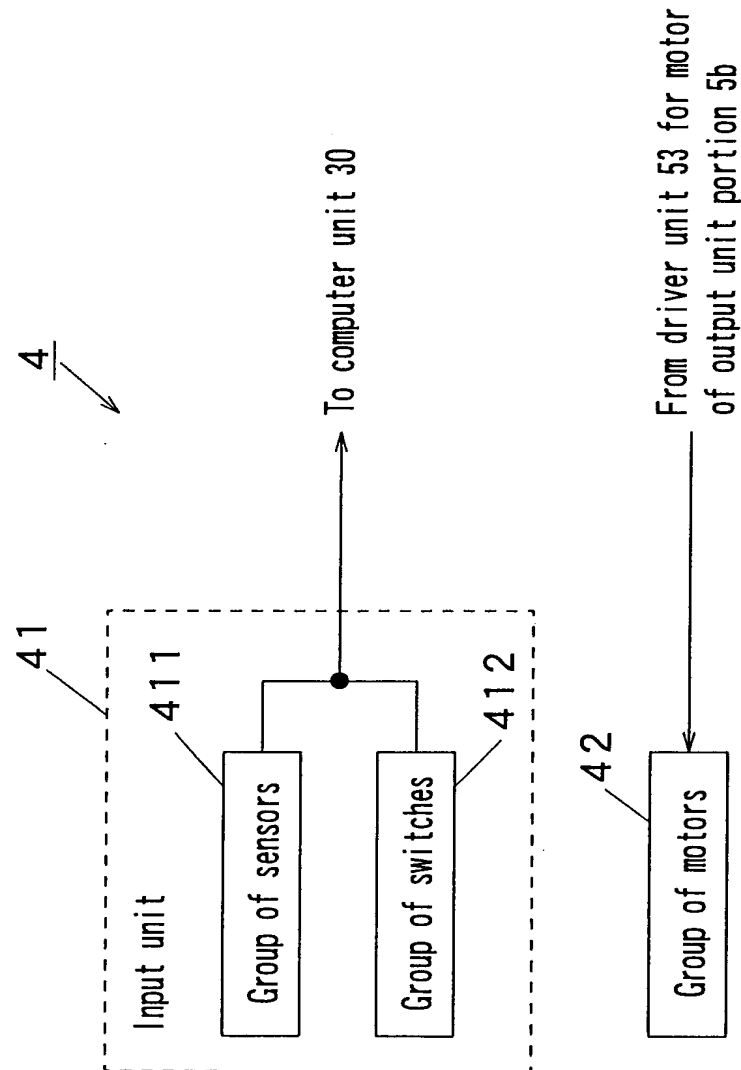


FIG. 5



F I G. 6

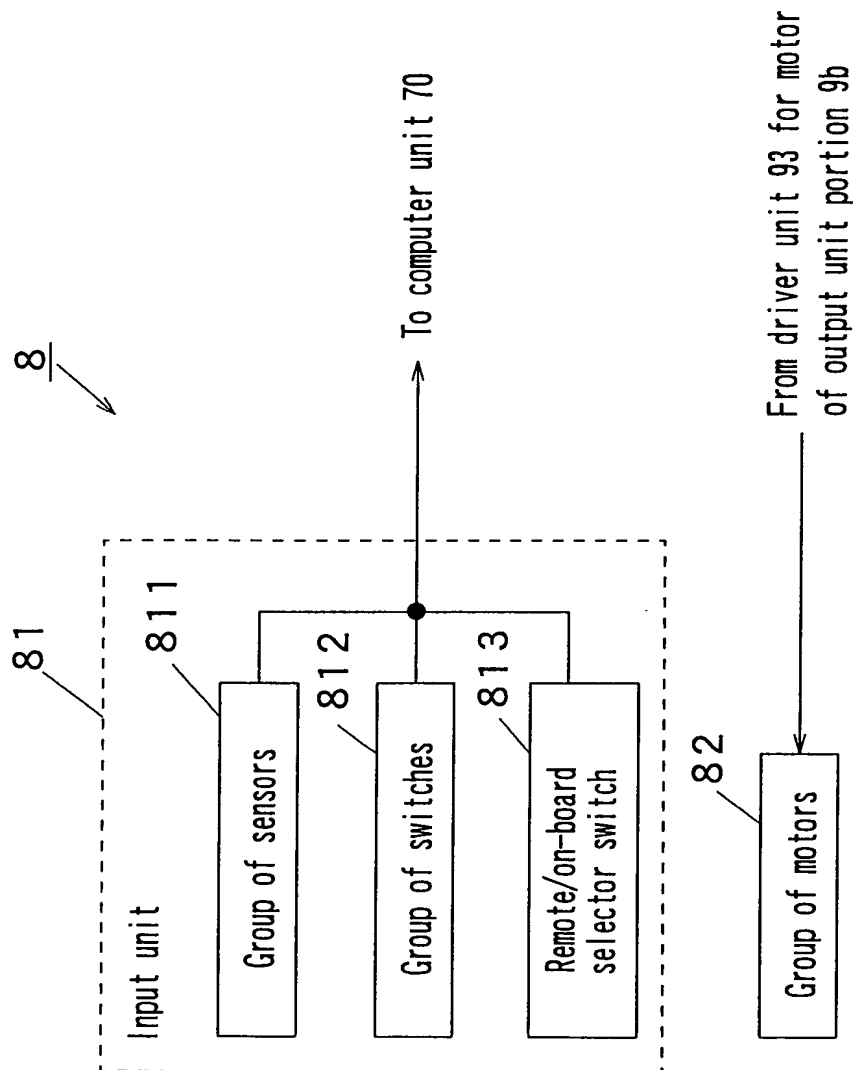


FIG. 7

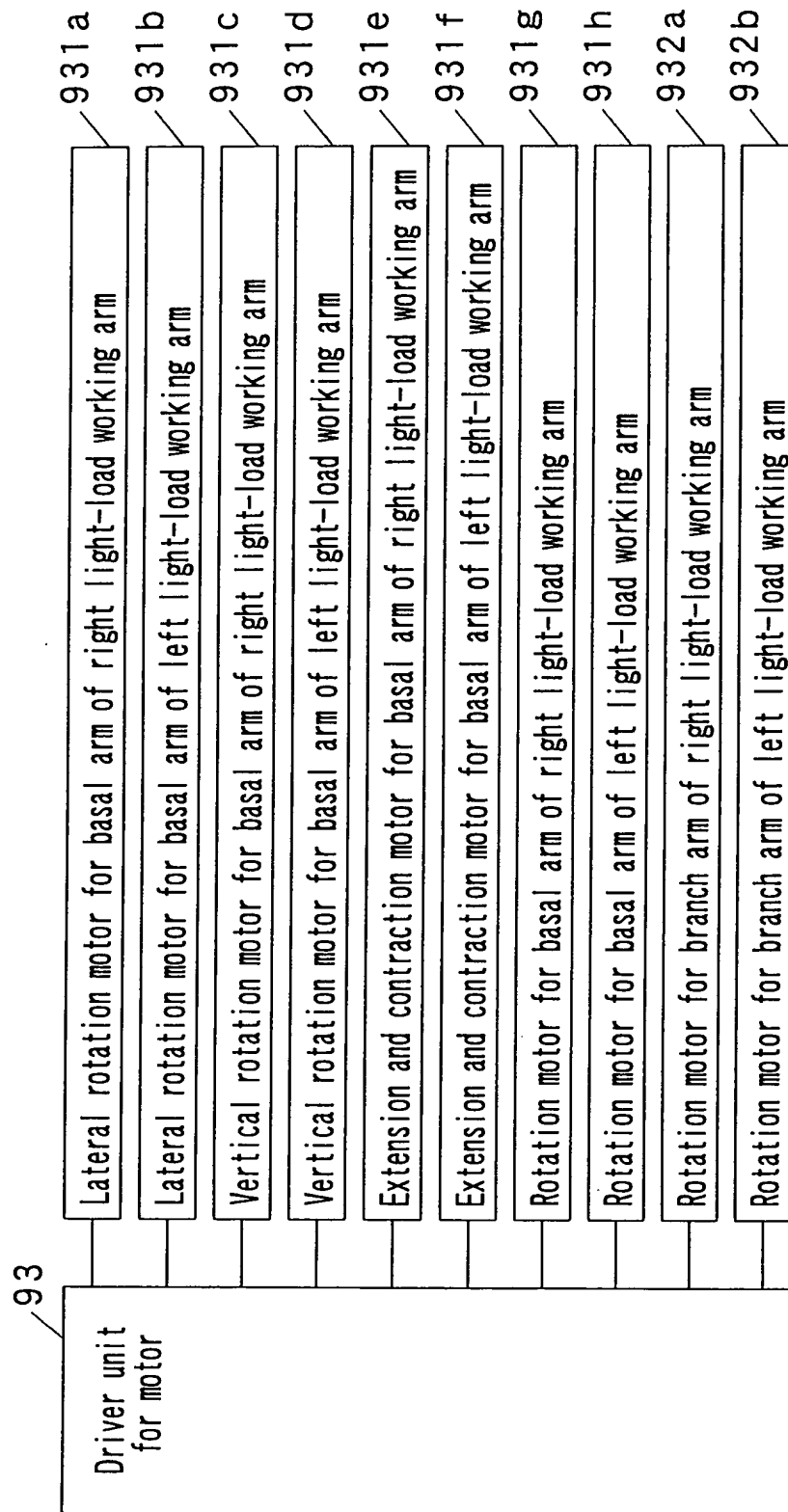


FIG. 8

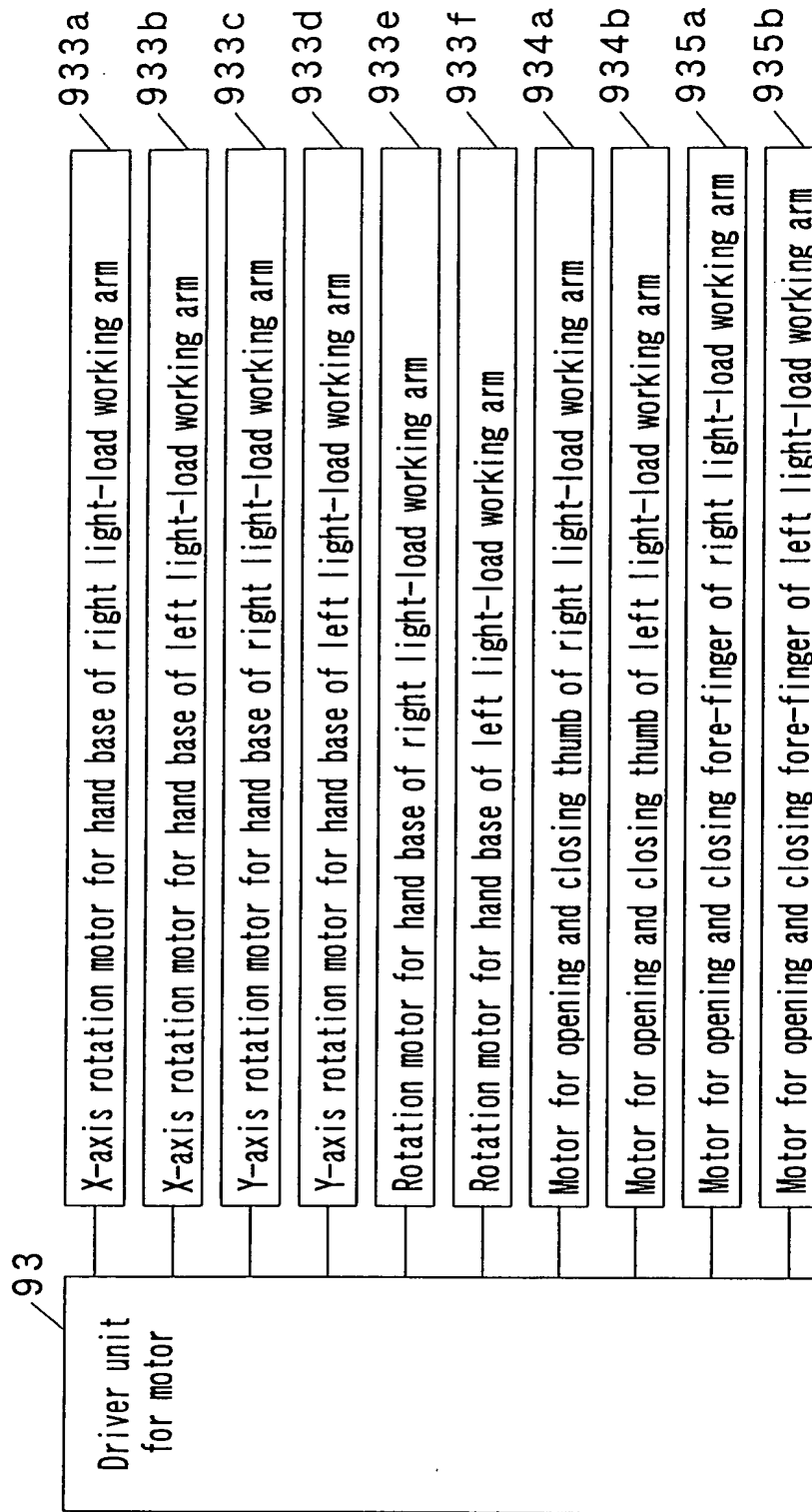




FIG. 9

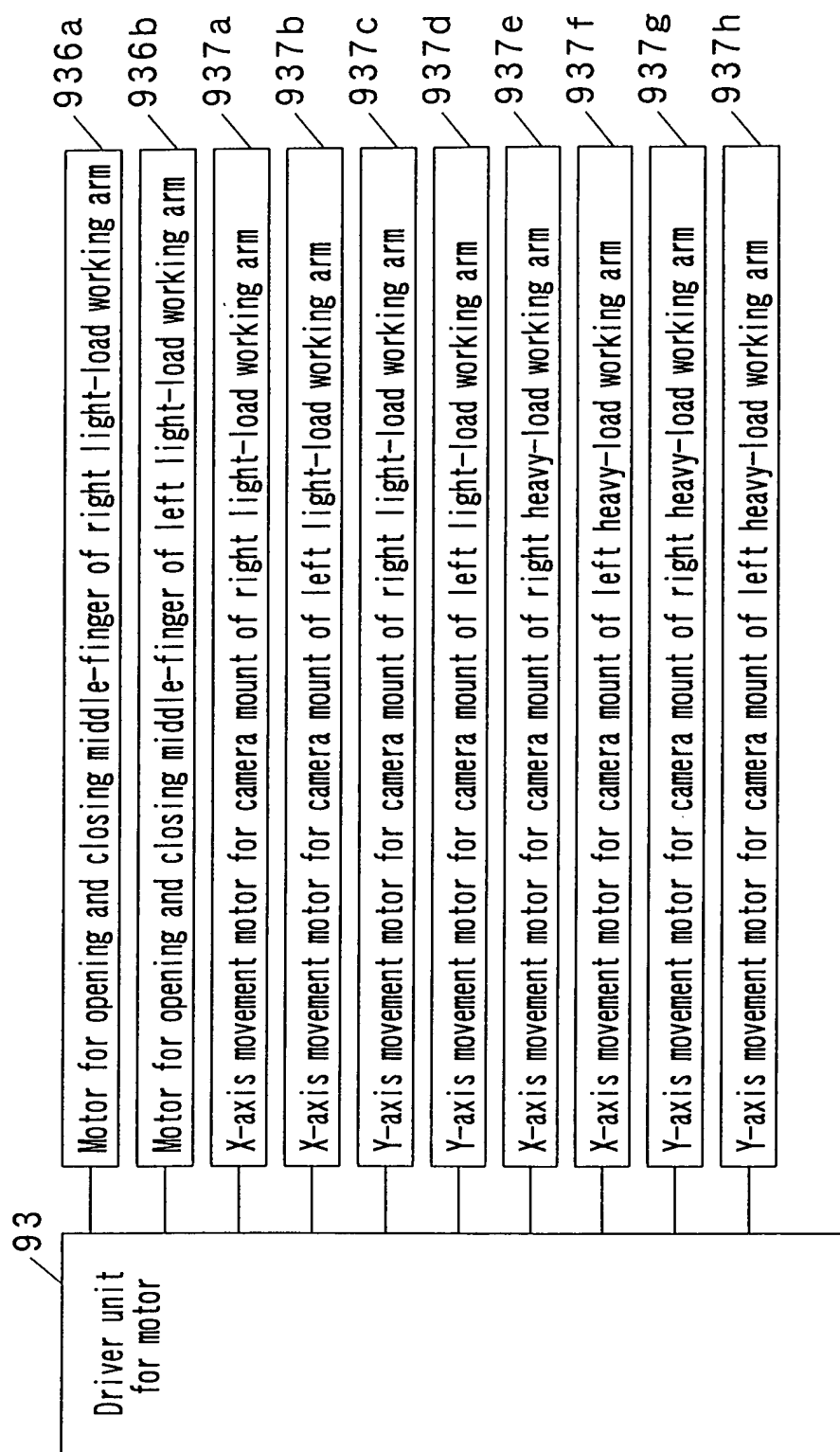


FIG. 10

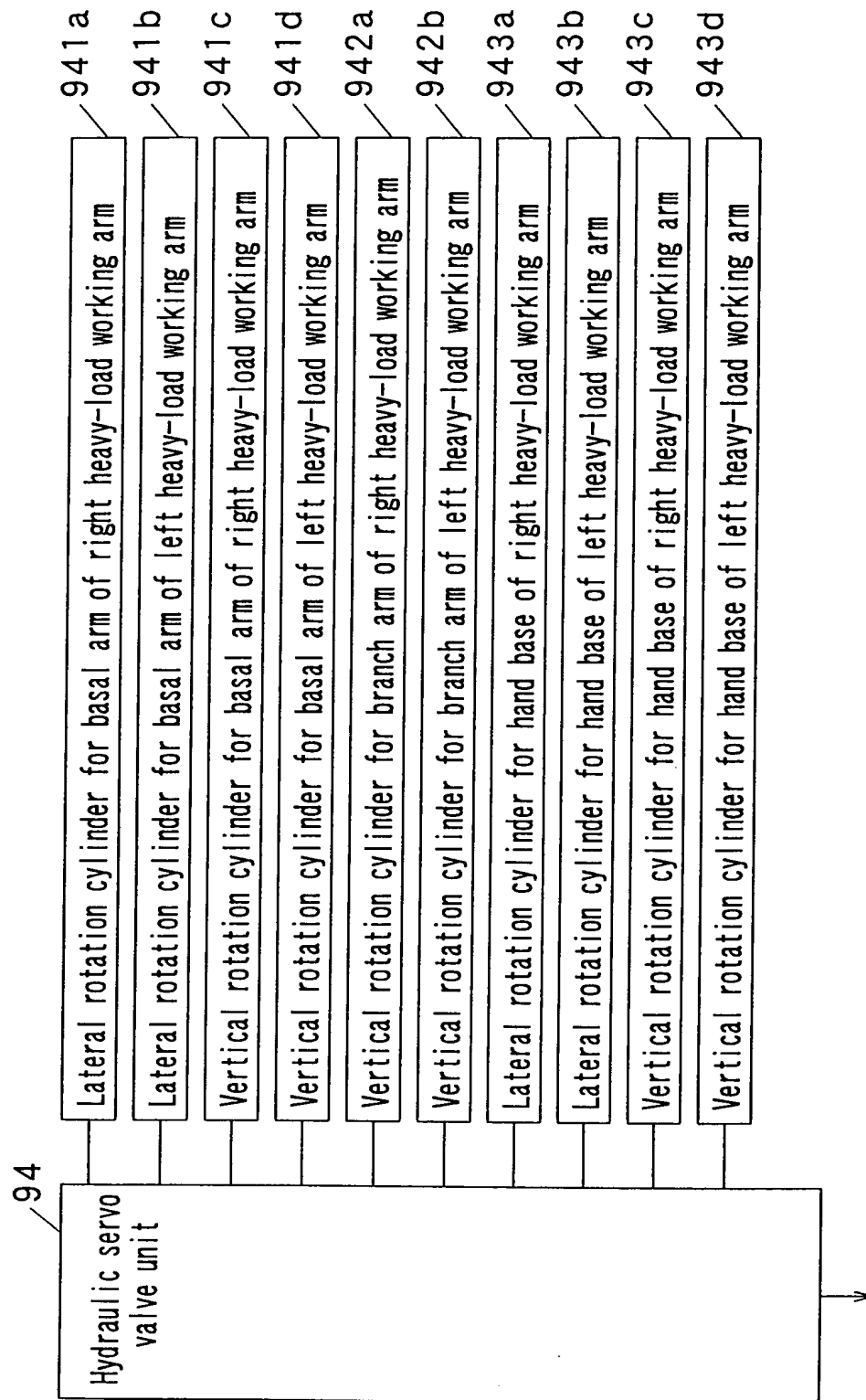


FIG. 11

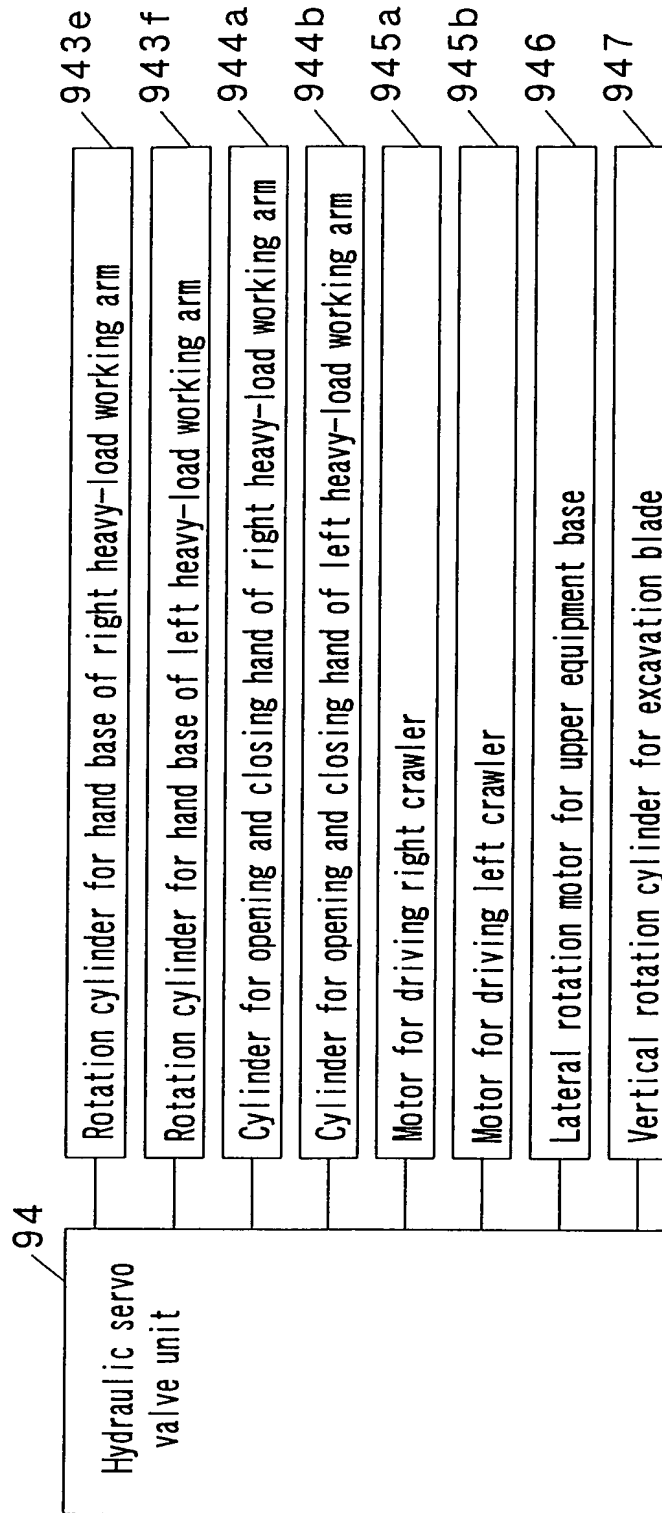


FIG. 12A

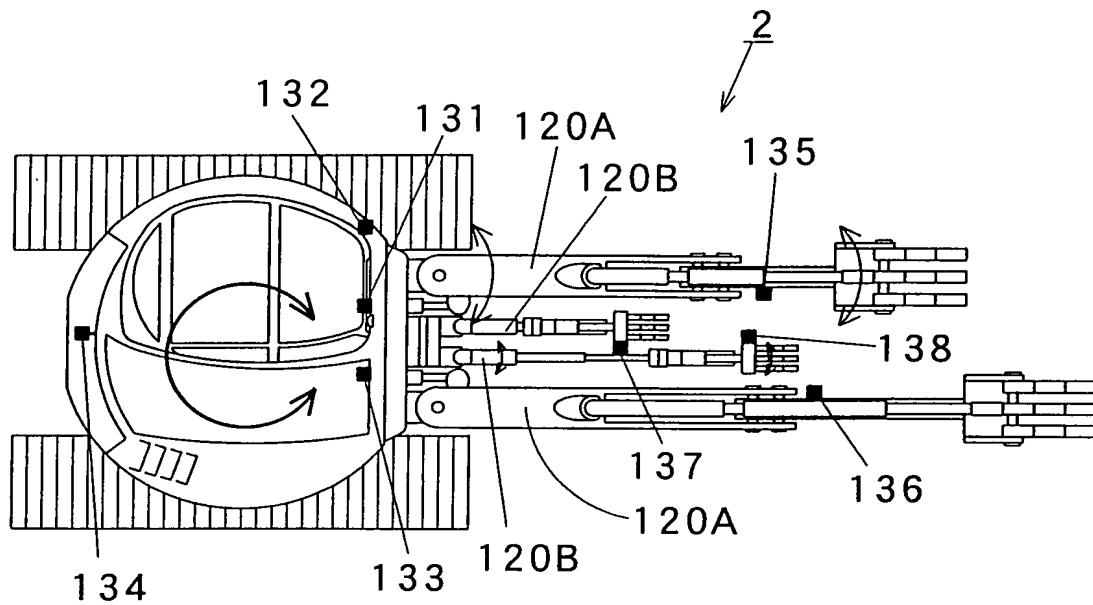


FIG. 12B

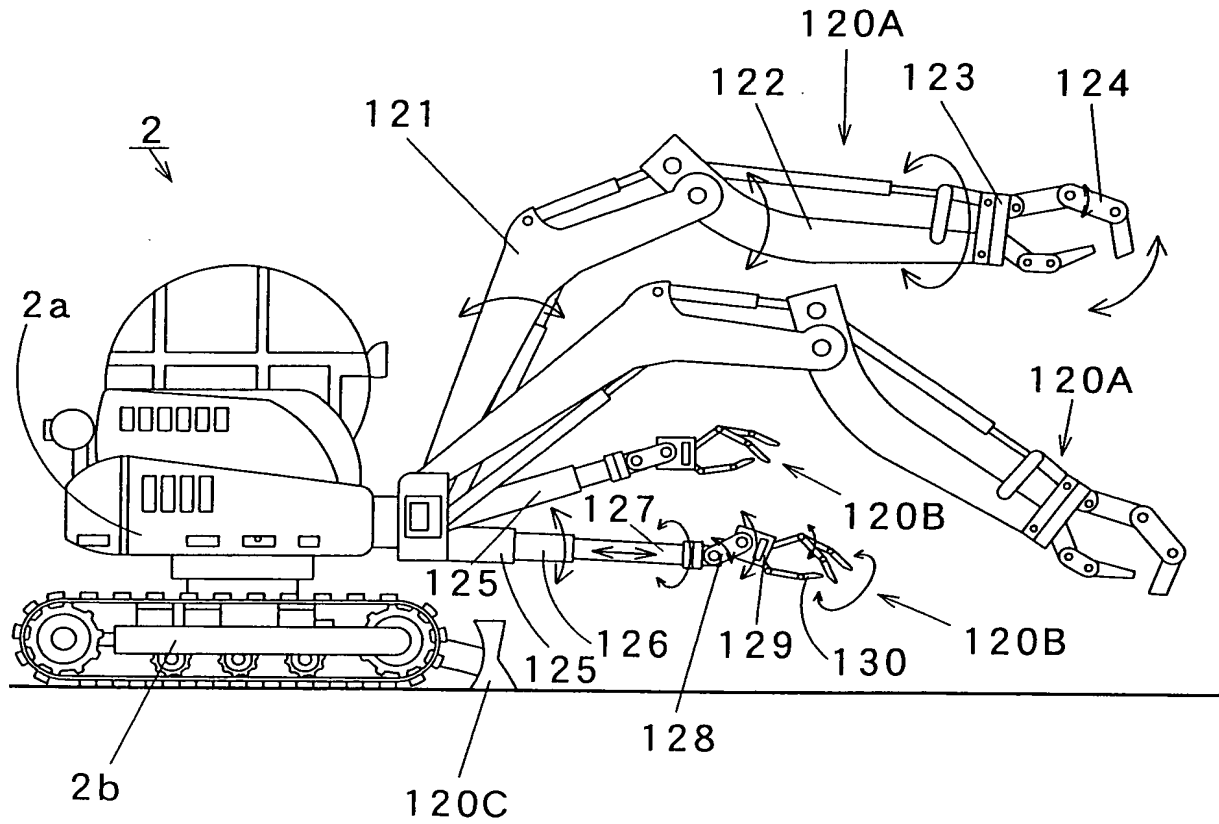


FIG. 13

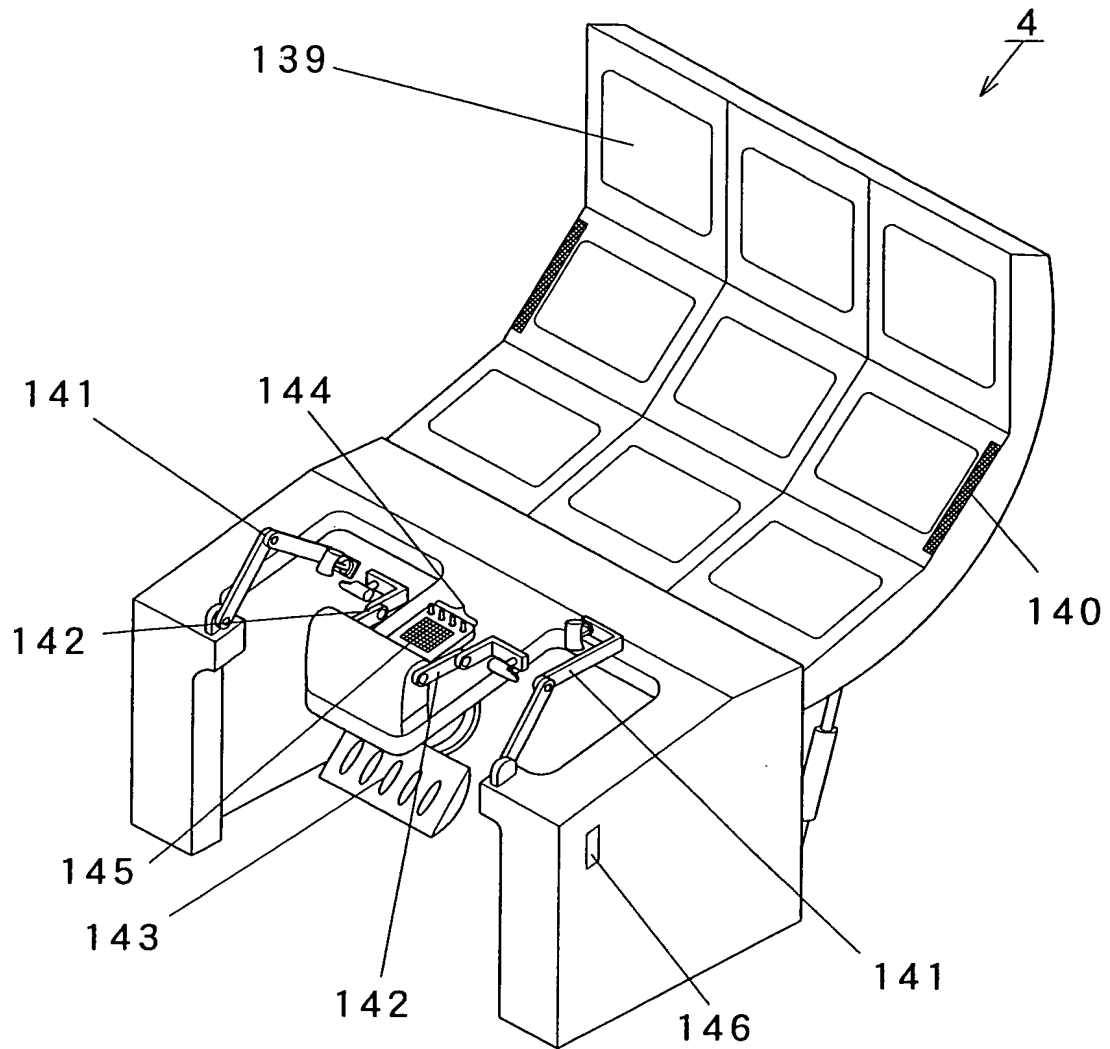


FIG. 14

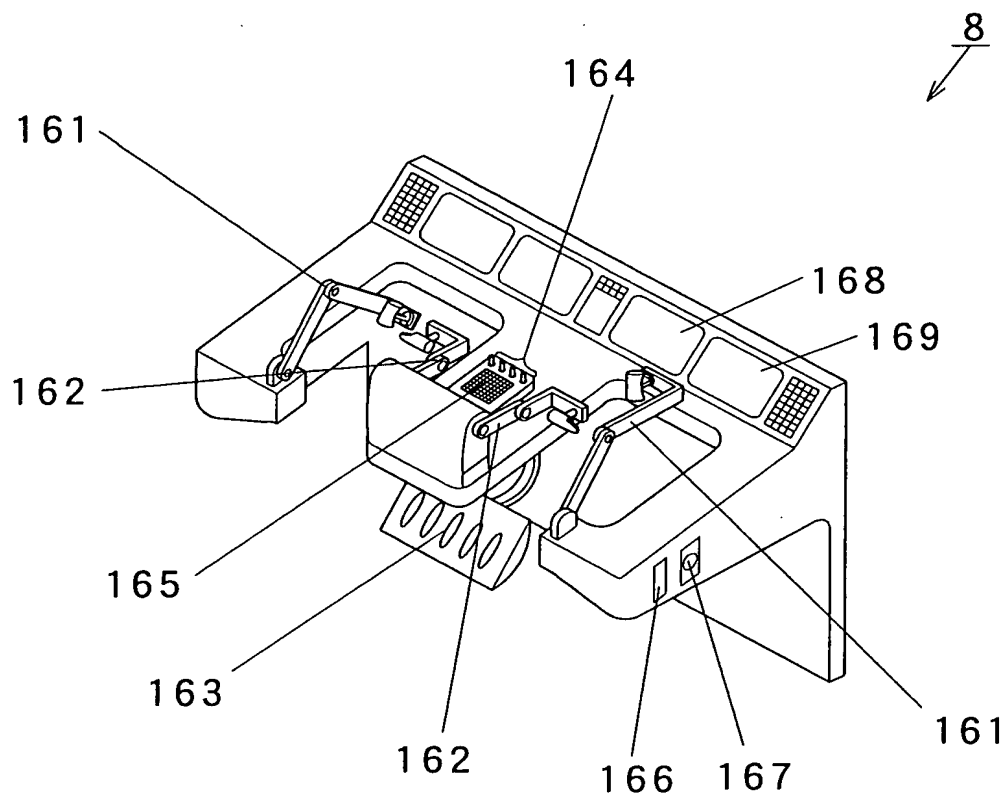


FIG. 15

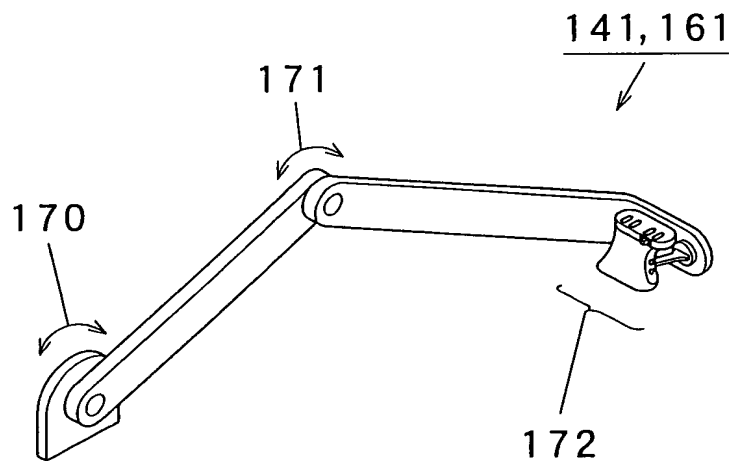


FIG. 16

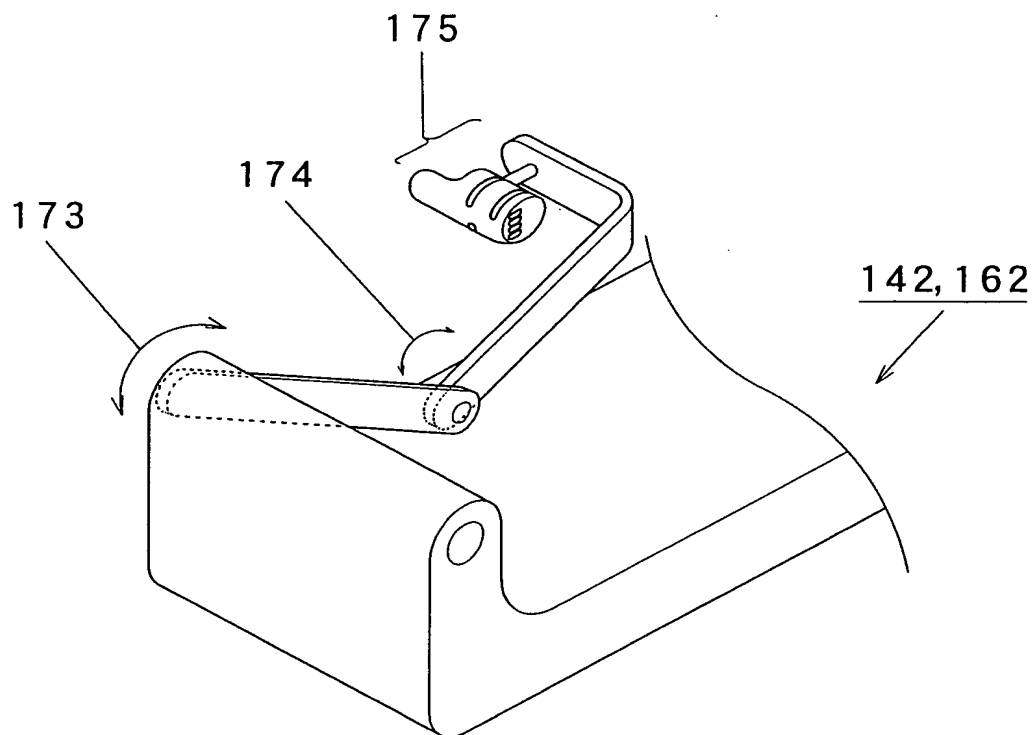


FIG. 17

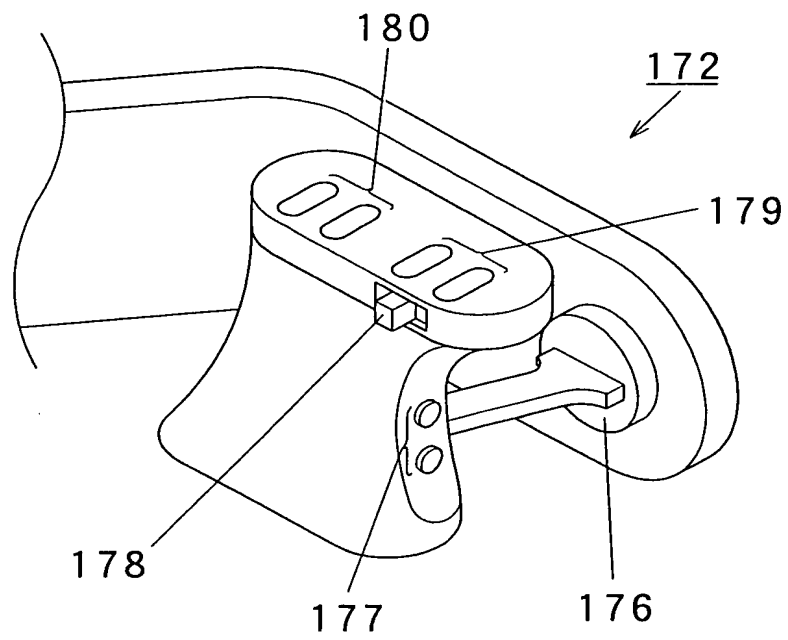


FIG. 18A

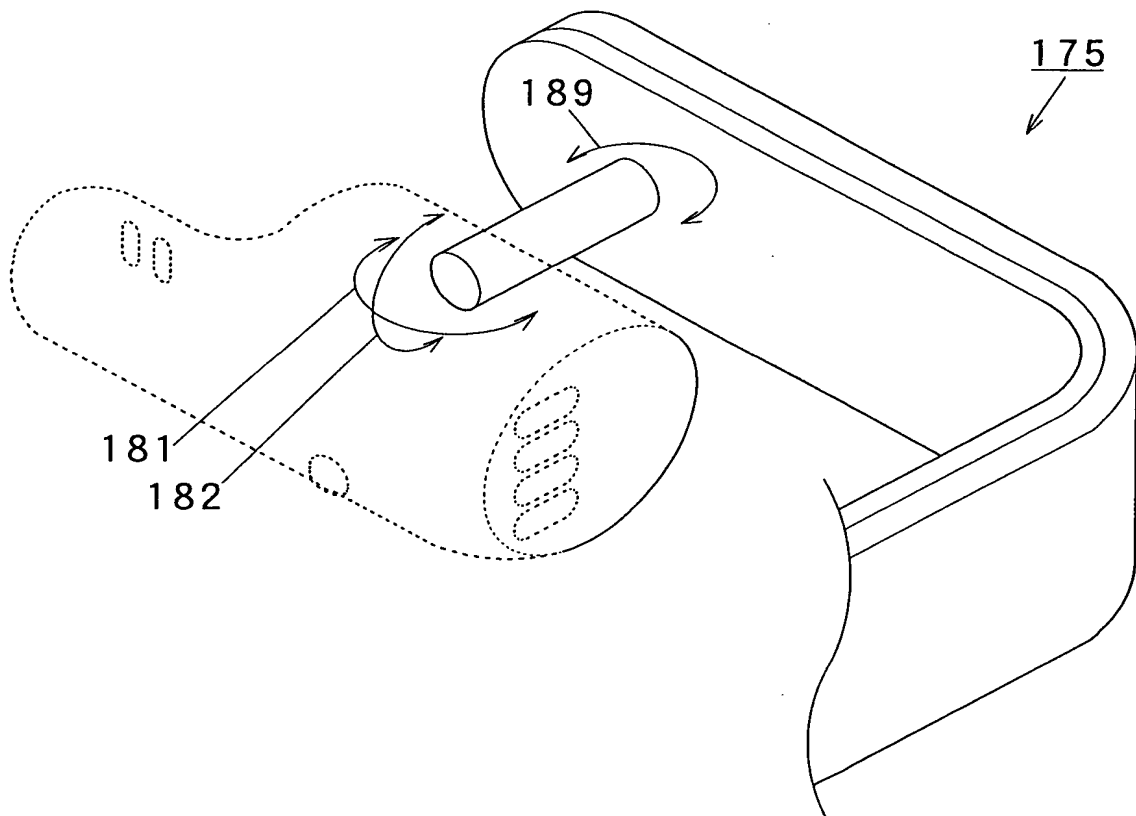




FIG. 18B

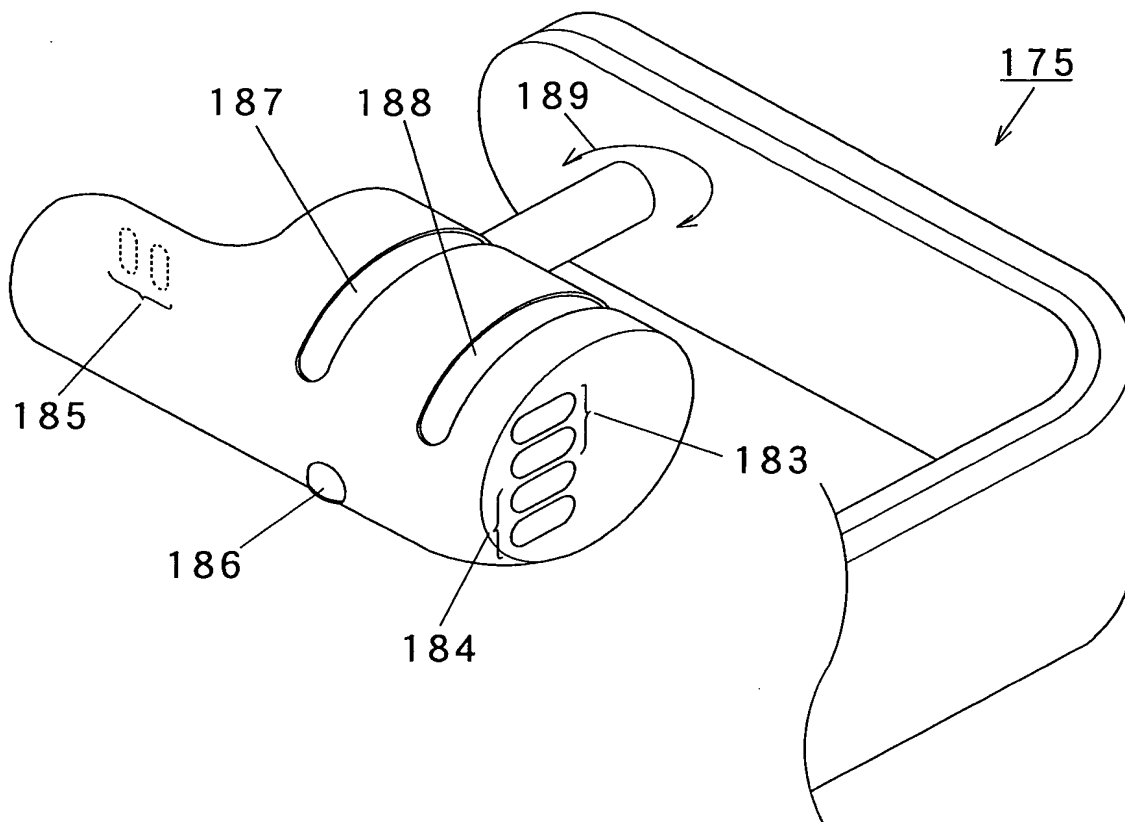


FIG. 19

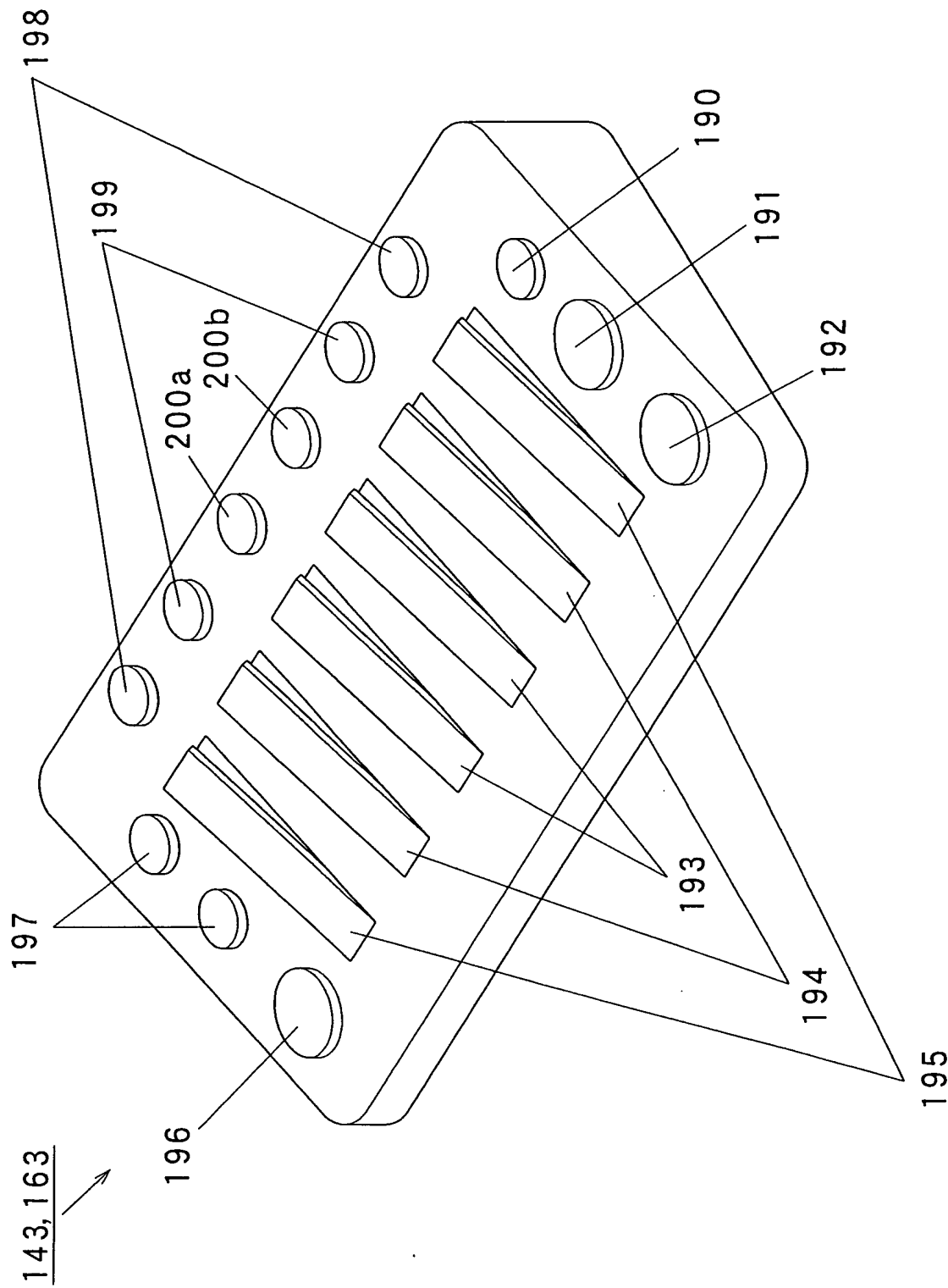


FIG. 20

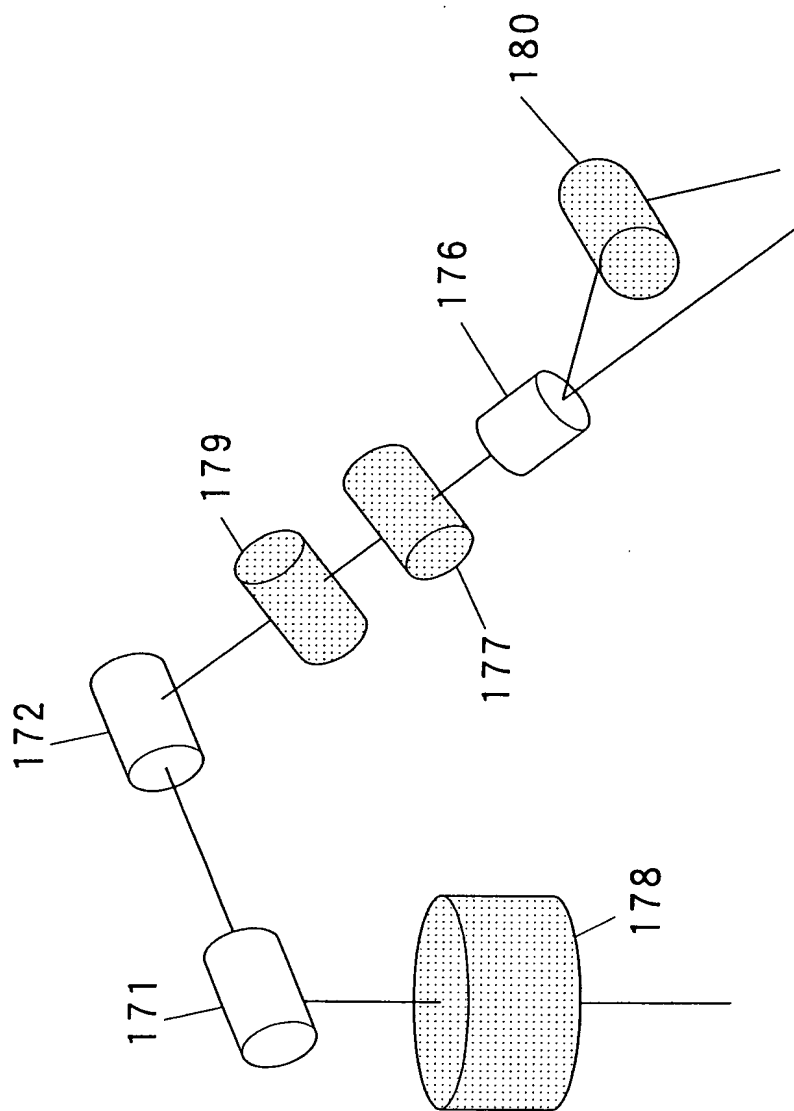


FIG. 21

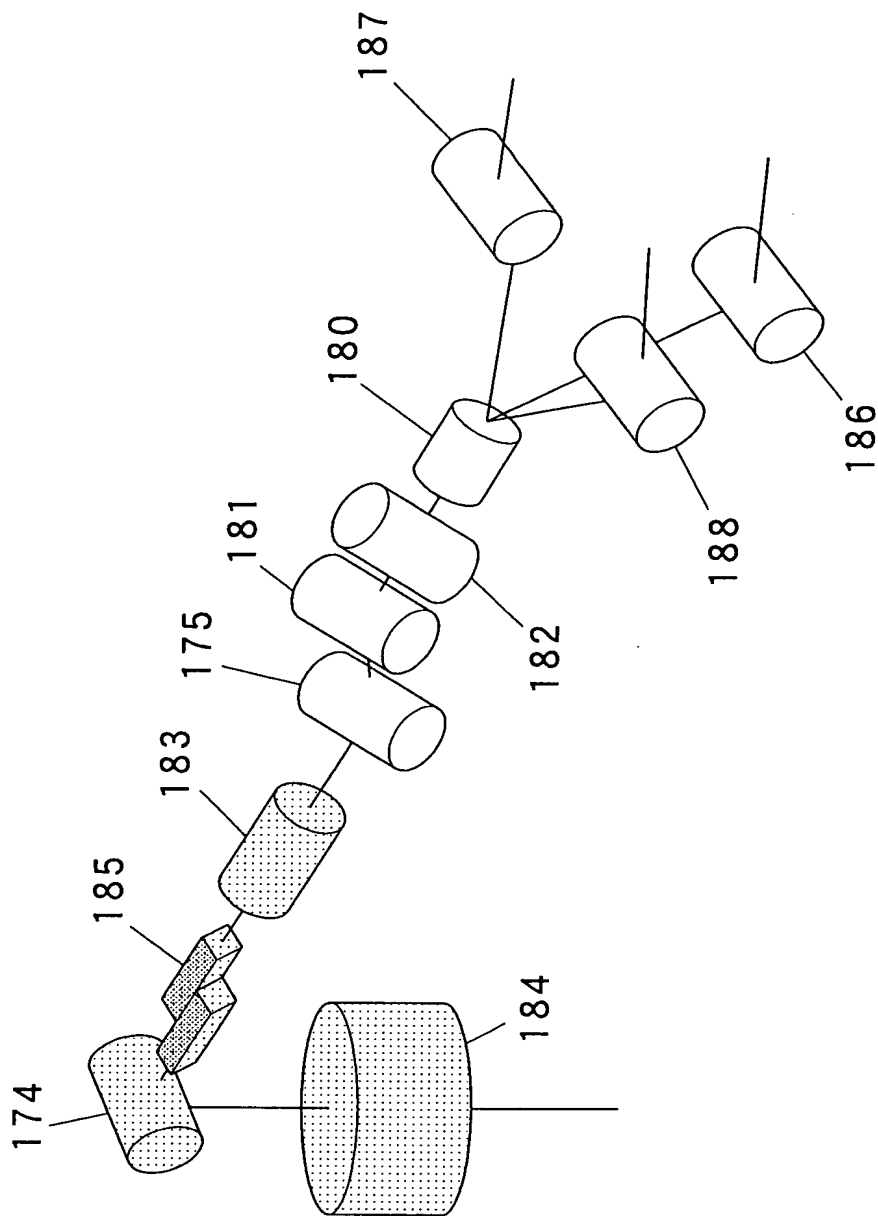


FIG. 22

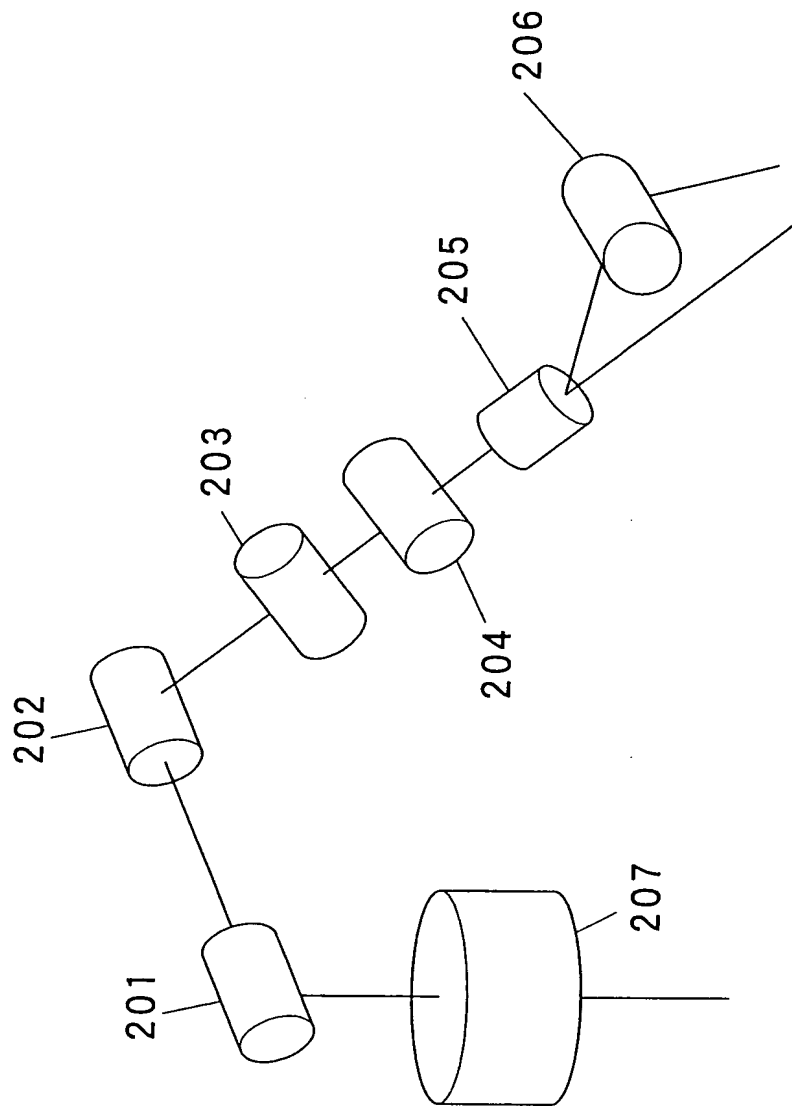


FIG. 23

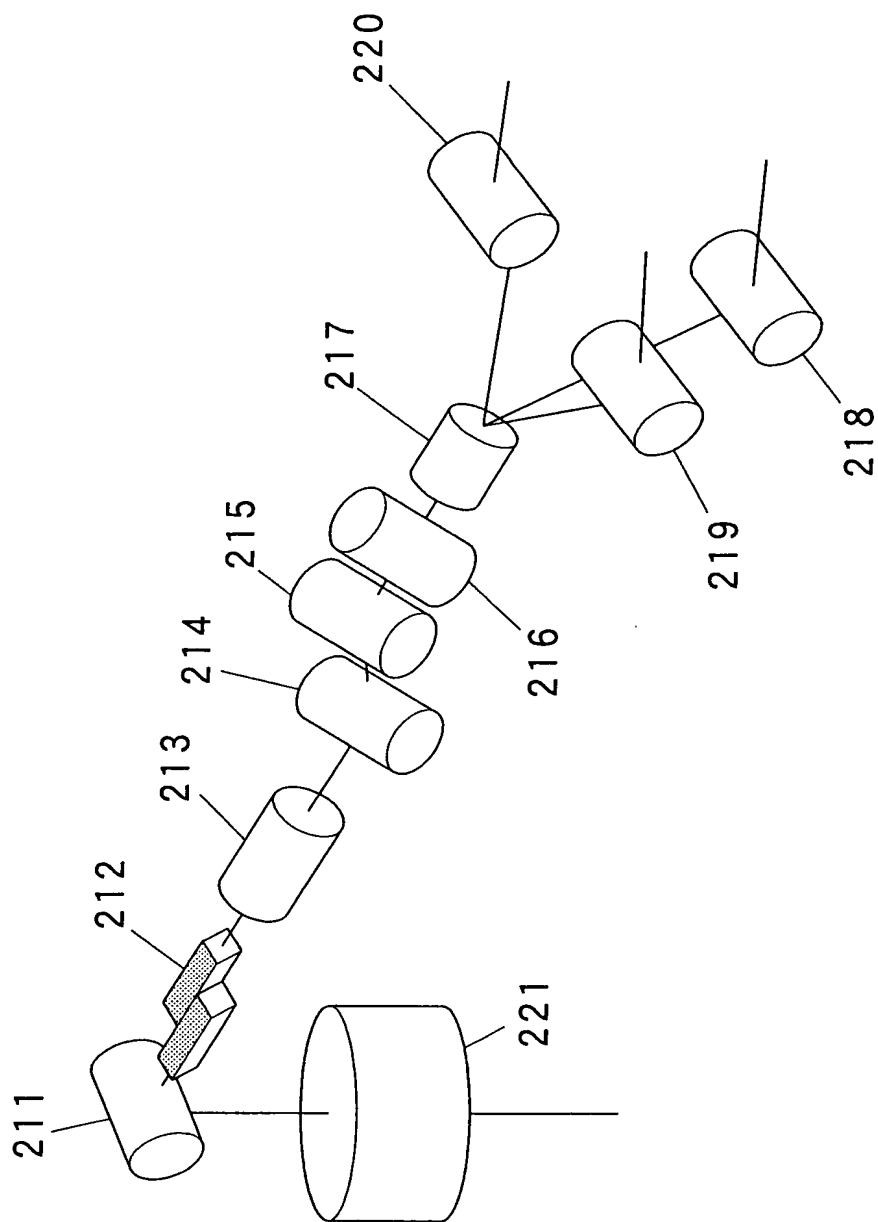


FIG. 24 A

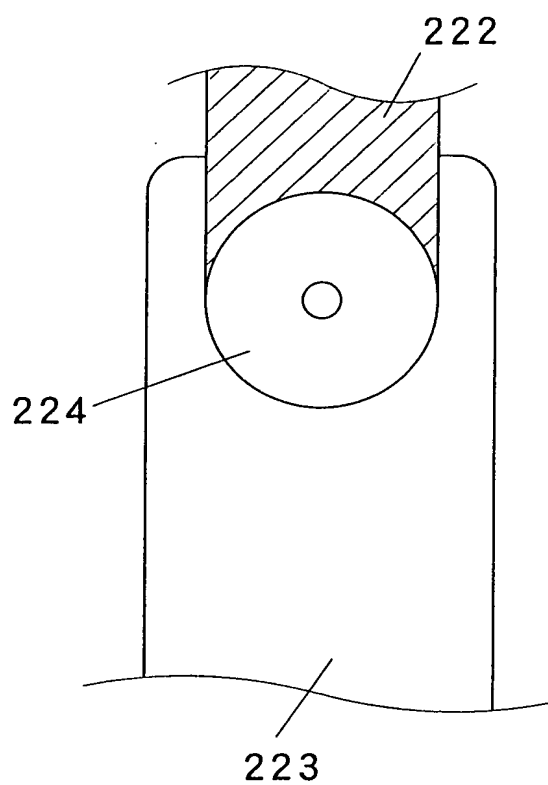


FIG. 24 B

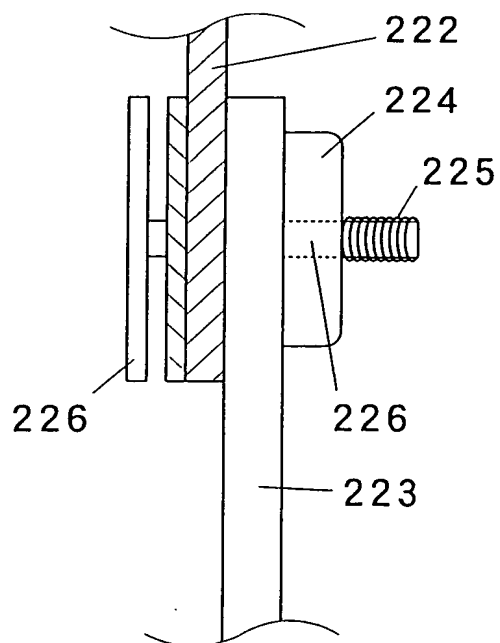


FIG. 24C

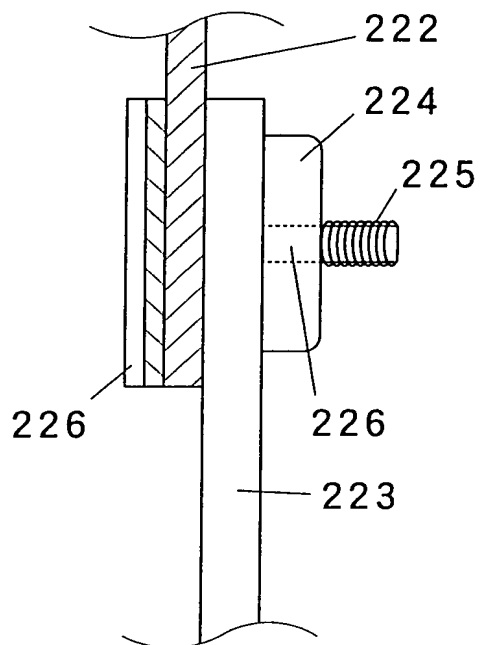




FIG. 25

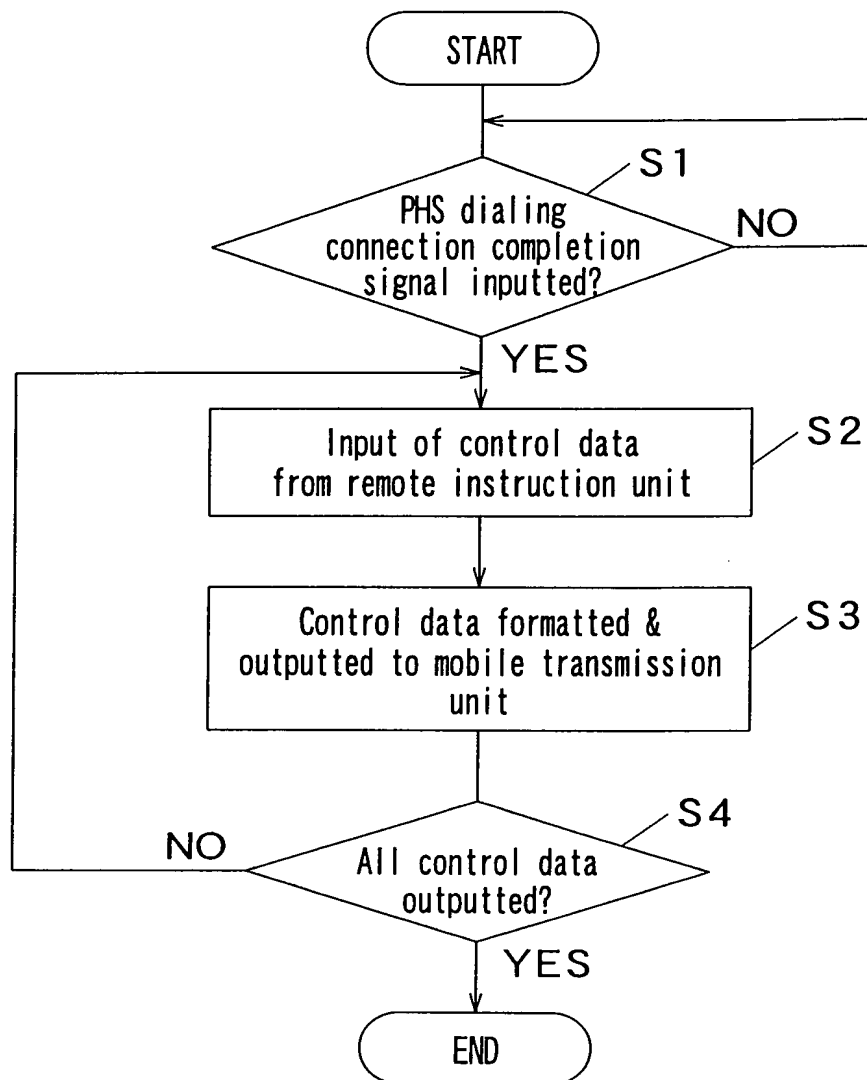


FIG. 26

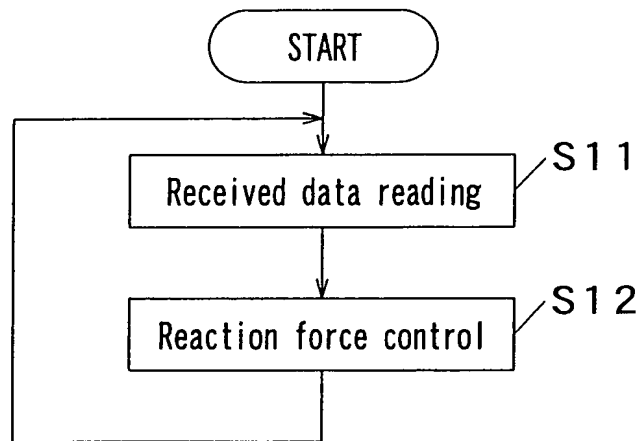


FIG. 27

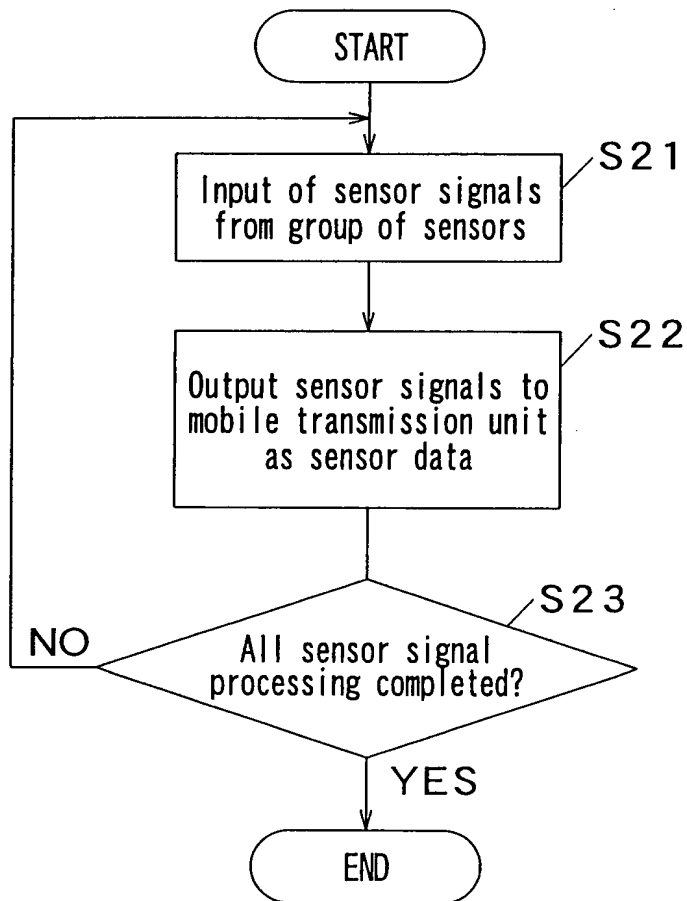


FIG. 28

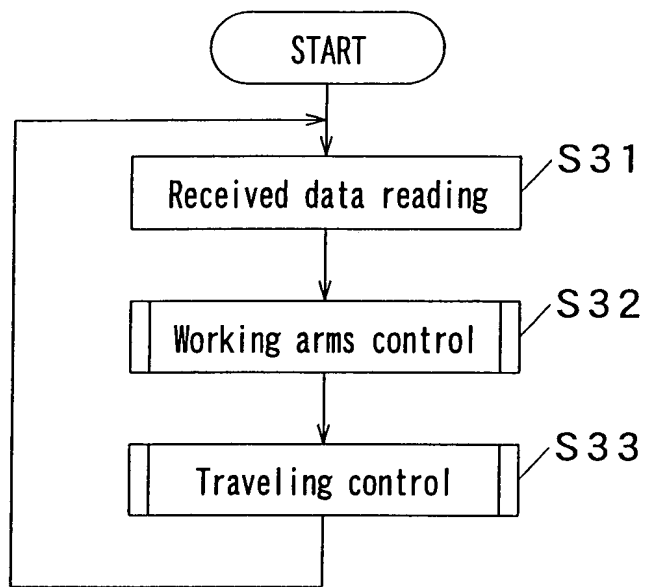


FIG. 29

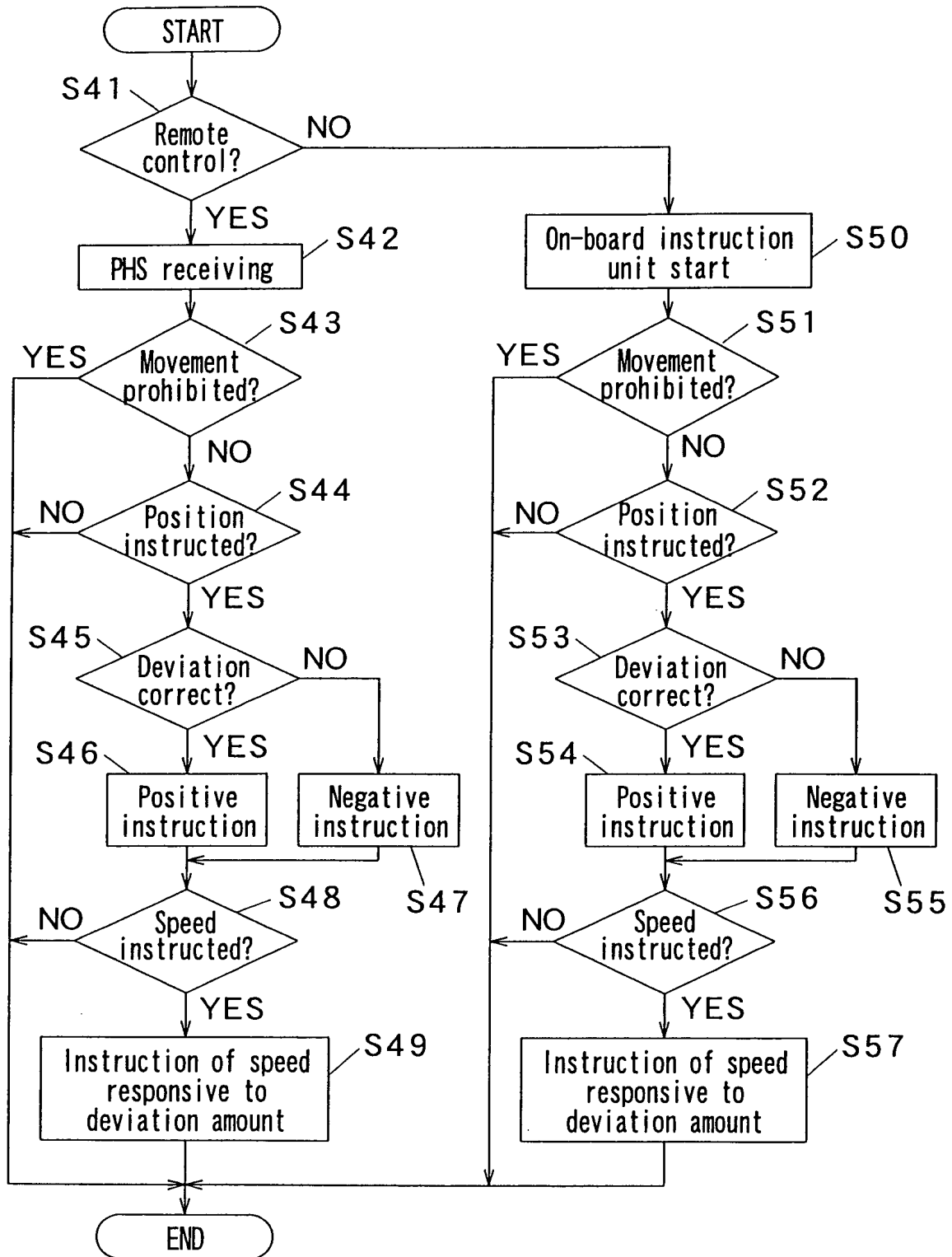


FIG. 30

